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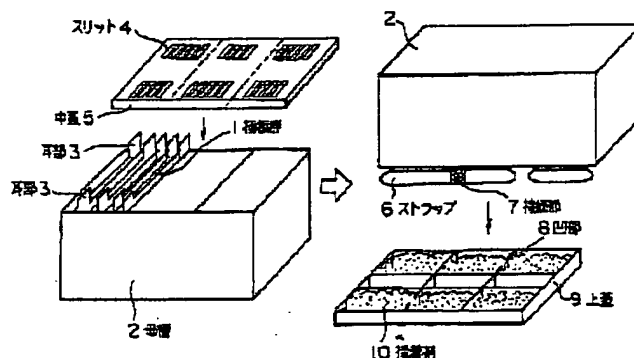
APPLICATION DATE : 16-02-95
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APPLICANT : SHIN KOBE ELECTRIC MACH CO LTD;

INVENTOR : HIRONAKA KENSUKE;

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TITLE : SEALED LEAD-ACID BATTERY



ABSTRACT : PURPOSE: To make a strap welded position rarely corroded and prolong the life of a sealed lead-acid battery by properly setting the pressure of an electrode plate group.

CONSTITUTION: This sealed lead-acid battery is provided with a battery jar 2 storing an electrode plate group 1, an intermediate cover 5 fixed to the opening of the battery jar 2, and an upper cover 9 covering the intermediate cover 5. The electrode plate group 1 is stored in the battery jar 2, the intermediate cover 5 provided with slits 4 at the positions corresponding to electrode plate lug sections 3 is fixed to the opening of the battery jar 2, and the lug sections 3 are protruded on the intermediate cover 5 from the slits 4. A strap 6 connecting the lug sections 3 is formed by welding. The upper cover 9 provided with a recess 8 for storing the strap 6 is arranged while the back face is set above, and an adhesive (epoxy resin) 10 is filled in the recess 8. The battery jar 2 is set to the inverted state, the strap 6 is buried in the adhesive 10, and the upper cover 9 is integrated with the battery jar 2. The peripheries of the slits 4 are also buried with the adhesive 10.

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